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RE 25 Ø25 mm, Graphite Brushes, 20 Watt

Part number 118752

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Price scales

Price per unit	1-4	€229.91
	5-19	€203.00
	20-49	€171.55
	from 50	On request


Prices excluding VAT and shipping costs

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1

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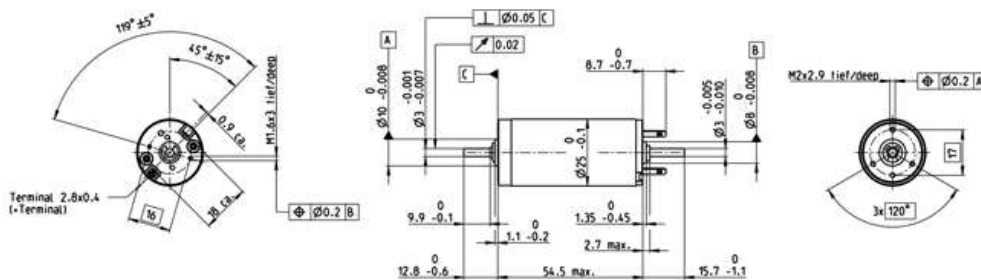
 [Print specifications](#)

Description

maxon DC motors are high-quality motors fitted with powerful permanent magnets. The "heart" of the motor is the worldwide patented ironless rotor. For you, this means cutting-edge technology in compact, powerful and low inertia drives.

Specifications

Technical illustrations



 Dimension drawing

Information: Drawings are not to scale.

Values at nominal voltage

	Nominal voltage	24 V
	No load speed	9560 rpm
	No load current	36.9 mA
	Nominal speed	8330 rpm
	Nominal torque (max. continuous torque)	26.3 mNm
	Nominal current (max. continuous current)	1.16 A
	Stall torque	243 mNm
	Stall current	10.4 A
	Max. efficiency	85 %

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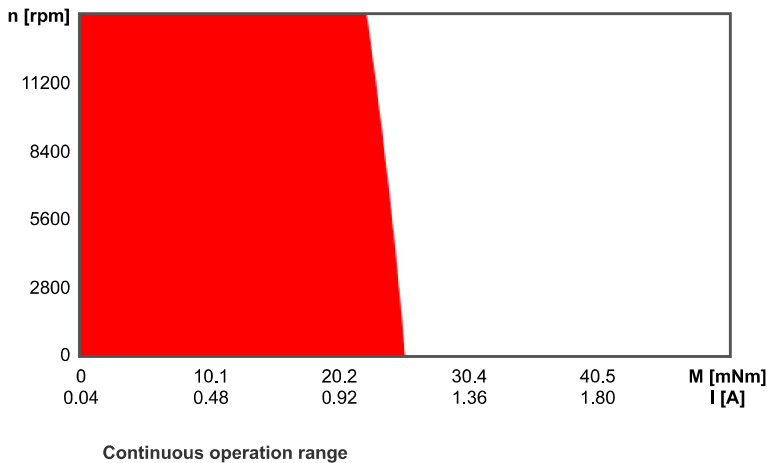
	Terminal resistance	2.32 Ω
	Terminal inductance	0.238 mH
	Torque constant	23.4 mNm/A
	Speed constant	408 rpm/V
	Speed / torque gradient	40.3 rpm/mNm
	Mechanical time constant	4.55 ms
	Rotor inertia	10.8 gcm ²

Thermal data

	Thermal resistance housing-ambient	14 K/W
	Thermal resistance winding-housing	3.1 K/W
	Thermal time constant winding	12.5 s
	Thermal time constant motor	612 s
	Ambient temperature	-30...+100 °C

	Max. winding temperature	+125 °C
Mechanical data		
	Bearing type	ball bearings
	Max. speed	14000 rpm
	Axial play	0.05 - 0.15 mm
	Radial play	0.025 mm
	Max. axial load (dynamic)	3.2 N
	Max. force for press fits (static)	64 N
	(static, shaft supported)	800 N
	Max. radial load	16 N, 5 mm from flange
Other specifications		
	Number of pole pairs	1
	Number of commutator segments	11
	Number of autoclave cycles	0
Product		
	Weight	130 g

Operating Range



Short term operation range

Downloads		
CAD-Files (STEP)		
>	CAD drawing (STEP) (ZIP 145 KB)	Version 2017
Catalog page		
>	Katalogseiten (deutsch, PDF 118 KB)	Version 2019
>	Catalog page (english, PDF 119 KB)	Version 2019
>	カタログページ (日本語, PDF 114 KB)	Version 2017